

AUTOMATIC EXPOSURE CAMERA

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Abstract of JP2042426

PURPOSE: To surely obtain a proper exposure over a wide range by approaching the optical path of a photographing lens and decreasing the quantity of incident light when the luminance of a subject exceeds a prescribed range, and correcting in accordance with extinction rate. CONSTITUTION: A diaphragm value is set automatically by corresponding to the proper exposure quantity obtained from the subject luminance and film sensitivity. The title camera is provided with an exposure correcting means 21 to approach the optical path of the photographing lens and decrease the quantity of the incident light when the subject luminance exceeds the prescribed range and a proper exposure correcting means to correct in accordance with the extinction rate of the exposure correcting means 21. That is to say, an ND filter as the exposure correcting means 21 is made to approach the optical path of the photographing lens and a CPU 5 corrects distance measuring information from a distance measuring circuit 10 for the change of the focal position of the photographing lens by the operation of the ND filter. Based on the corrected distance measuring information, focusing driving control of the photographing lens is executed by a photographing lens driving circuit 50. Thus, the high luminance limit of an interlocking range can be enlarged.

